

Listing of Claims

- 1-23. (Cancelled).
24. (Currently amended) An apparatus for decontaminating an ~~porous~~-article, comprising:
a selectively sealable decontamination chamber;
a decontamination chamber humidifier;
a source of chlorine dioxide gas in fluid communication with the decontamination chamber; ~~and~~
a decontamination chamber vacuum generator
a first fluid flow path for transferring humidified gas from the decontamination chamber humidifier to the selectively sealable decontamination chamber;
a second fluid flow path for transferring chlorine dioxide gas from the source of chlorine dioxide to the selectively sealable decontamination chamber; and
a third fluid flow path for evacuating the selectively sealable decontamination chamber via the decontamination chamber vacuum generator.
25. (cancelled)
26. (Currently Amended) The apparatus of claim ~~25~~24, further comprising a flow regulator in the first fluid flow path.
27. (Currently Amended) The apparatus of claim ~~25~~24, further comprising a rotameter in the first fluid flow path.
28. (Currently Amended) The apparatus of claim ~~25~~24, further comprising a nitrogen source and a fourth fluid flow path for transferring nitrogen gas to the decontamination chamber humidifier.
29. (Original) The apparatus of claim 28, further comprising a fill valve in the fourth fluid flow path.

30. (Original) The apparatus of claim 28, further comprising a flow regulator in the fourth fluid flow path.
31. (Currently Amended) The apparatus of claim ~~25~~24, further comprising a flow regulator in the third fluid flow path.
32. (Currently Amended) The apparatus of claim ~~25~~24, further comprising a ventilation valve in the second fluid flow path.
33. (Original) The apparatus of claim 24, wherein the source of chlorine dioxide gas is a chlorine dioxide generator.
34. (Original) The apparatus of claim 24, wherein the selectively sealable decontamination chamber is a rigid container.
35. (Original) The apparatus of claim 24, wherein the apparatus further comprises a heat source for providing heat to the selectively sealable decontamination chamber.
36. (Original) The apparatus of claim 24, wherein the apparatus further comprises a hygrometer for regulating humidity in the selectively sealable decontamination chamber.
37. (Original) The apparatus of claim 34, wherein the rigid container comprises a heat source, a thermostat for regulating the heat source, and a hygrometer for regulating humidity in the rigid container.
38. (Original) The apparatus of claim 24, wherein the selectively sealable decontamination chamber comprises an autoclave or a hypobaric chamber.
39. (Currently Amended) An apparatus for decontaminating a room or building, comprising:
~~a selectively sealable decontamination chamber;~~
a decontamination chamber humidifier; ~~and~~

a source of chlorine dioxide gas in fluid communication with the room or building,
wherein the room or building is selectively sealable decontamination chamber;
a decontamination chamber vacuum generator;
a first fluid flow path for transferring humidified gas from the decontamination chamber
humidifier to the room or building;
a second fluid flow path for transferring chlorine dioxide gas from the source of chlorine
dioxide to the room or building; and
a third fluid flow path for evacuating the room or building via the decontamination
chamber vacuum generator.

40. (cancelled)

41. (Previously Presented) The apparatus of claim 39, wherein the source of chlorine dioxide gas is a chlorine dioxide generator.

42. (Cancelled).

43. (New) The apparatus of claim 24, wherein the selectively sealable decontamination chamber comprises a room or a building.

44. (New) The apparatus of claim 24, wherein the article is contaminated with weaponized spore.

45. (New) The apparatus of claim 44, wherein the weaponized spore comprises a *Bacillus anthracis* spore.

46. (New) The apparatus of claim 24, wherein the article comprises a porous article.

47. (New) The apparatus of claim 46, wherein the porous article comprises paper.

48. (New) The apparatus of claim 24, wherein the article comprises a non-porous article.

49. (New) The apparatus of claim 48, wherein the non-porous article comprises metal or glass.
50. (New) The apparatus of claim 39, further comprising a flow regulator in the first fluid flow path.
51. (New) The apparatus of claim 39, further comprising a rotameter in the first fluid flow path.
52. (New) The apparatus of claim 39, further comprising a nitrogen source and a fourth fluid flow path for transferring nitrogen gas to the room or building.
53. (New) The apparatus of claim 52, further comprising a fill valve in the fourth fluid flow path.
54. (New) The apparatus of claim 52, further comprising a flow regulator in the fourth fluid flow path.
55. (New) The apparatus of claim 39, further comprising a flow regulator in the third fluid flow path.
56. (New) The apparatus of claim 39, further comprising a ventilation valve in the second fluid flow path.
57. (New) The apparatus of claim 39, wherein the apparatus further comprises a heat source for providing heat to the room or building.
58. (New) The apparatus of claim 39, wherein the apparatus further comprises a hygrometer for regulating humidity in the room or building.

59. (New) The apparatus of claim 39, wherein the room or building comprises a heat source, a thermostat for regulating the heat source, and a hygrometer for regulating humidity in the room or building.